Part III DAMTP Alexander Tournier.

I.C. 1st Physics (Isham, Rivers)

Wan, McLean J. Phys. A. (1984) 17 833, 2363

"Observables of Asymptotically Vanishing Correlations, States at Infinity and Quantum Separability"

Wan, Jackson Phys. Lett. A 106, 219 (1984)

"On local observables in QM"

+ IJTP A (1984) 223 (includes spin

Wan, Jackson, McLeand N.C. 81B (1984) 165

"On the Localization of Momentum Observables"

Applies arguments to J. Phys. A article

Wall Can. J. Phys. 58 (1980) 976

"Superselection Rules, Quantum Measurement, and Schrödinger's Cat"

Namiki Found. Phys. 18 (1988) 29

"Many-Hilbert-space Theory of Quantum Measurements"

Good review of Certain Superselection

Araki
Prog. Theor. Phys. 64 719 (1980)

Good clear Paper on the Math Background

Inverse Scattering: Lundberg Mathematical Theory of Optics (1964)

Hi Baltes

~~Bob~~ ~~Fa~~ ~~Baltes~~
Sergei

Inverse Problems in Optics (1978)
Inverse Scattering Problems
Surface Waves.

c. 1980

$$u = T * s$$

$$s = T^{-1} u$$

$$u = T s_1 = T s_2$$

$$T(s_1 - s_2) = 0$$

$$\Rightarrow T v = 0 \quad \text{for } v \neq 0$$

$$v = T^{-1} 0 = 0$$

Brel's Masonday

Mathematical Methods in Optics (1991)

Michael Weiss

Michigan Ann Arbor

BFT CB Group Theory.

Dumont d'Urville

Sylvain Morel

24.11.94

QUANTUM MECHANICS Supervision Topics

Formalism of QM

Complementarity

The problem of measurement

Uncertainty relations

The EPR paradox

Nonlocality - the Bell approach

Nonlocality - GHZ - Mermin

The Kochen-Specker paradox

Quantum logic

Identity and individuality

Second quantization and QFT

Virtual particles and the vacuum